

AMENDMENT TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application.

Claim 1 (Currently Amended): A human cancer-related isolated polynucleotide sequence, comprising one of the following nucleotide sequences:

- 1) SEQ ID No: 1 or SEQ ID No: 6 in the sequence listings; ~~and~~
- 2) ~~Polynucleotide that encodes SEQ ID No: 4 protein sequences in the sequence listings.~~

Claim 2 (Currently Amended): The human cancer-related isolated polynucleotide sequence according to claim 1, wherein ~~the~~ said isolated polynucleotide sequence is SEQ ID No: 1 in the sequence listings.

Claims 3-4. (Canceled).

Claim 5 (Currently Amended): The human cancer-related isolated polynucleotide sequence according to claim 1, wherein ~~the~~ said isolated polynucleotide sequence is SEQ ID No: 6 in the sequence listings.

Claim 6 (Currently Amended): The human cancer-related isolated polynucleotide sequence according to claim 1 or 2 or 5, wherein ~~the~~ said human cancers are selected from liver cancer, lung cancer, stomach cancer, colon cancer, and breast cancer.

Claim 7 (Withdrawn): The human cancer-related proteins, comprising (1) amino acid sequence 4 and/or sequence 5 and/or sequence 7; or (2) the derived protein comprising amino acid sequence 4 and/or sequence 5 and/or sequence 7 with one or several amino acid residues being replaced, deleted, or added, but still have the same activity as the proteins which comprise amino acid sequence 4 or/and sequence 5 or/and sequence 7.

Claim 8 (Withdrawn): The protein according to claim 7, wherein the said protein comprises sequence 4 amino acid sequence in the sequence listings.

Claim 9 (Withdrawn): The protein according to claim 7, wherein the said protein comprises sequence 5 amino acid sequence in the sequence listings.

Claim 10 (Withdrawn): The protein according to claim 7, wherein the said protein comprises sequence 7 amino acid sequence in the sequence listings.

Claim 11 (Withdrawn): The proteins according to claim 7 or 8 or 9 or 10, wherein the said proteins are related to liver cancer and some epithelium sourced cancers.

Claim 12 (Currently Amended): An expression vector ~~of~~ comprising the human cancer-related isolated polynucleotide sequence according to claim 1.

Claim 13 (Currently Amended): A transfected, ~~and~~ mutated and purified cell lines ~~of~~ comprising the human cancer-related isolated polynucleotide sequence according to claim 1.

Claim 14 (Withdrawn): The primers for amplifying the gene according to claim 1.

Claims 15-16. (Canceled).

Claim 17 (Withdrawn): The reagents comprising various monoclonal and polyclonal antibodies as activity ingredients for the proteins according to claim 7.

Claim 18 (Withdrawn): An application of the human cancer-related gene according to claim 1, wherein the said gene is used in the preparation of reagents for cancer diagnosis.

Claim 19 (Withdrawn): The application according to claim 18, wherein the said cancers are liver cancer and some epithelium sourced cancers.

Claim 20 (Withdrawn): The application of the proteins according to claim 7 in the preparation of reagents for cancer diagnosis.

Claim 21 (Withdrawn): The proteins application according to claim 20, wherein the said cancers are liver cancer and some epithelium sourced cancers.

Claim 22 (New): A human cancer-related isolated polypeptide sequence, comprising the following polypeptide sequence:

- 1) SEQ ID No: 4 in the sequence listings.

Claim 23 (New): The human cancer-related isolated polypeptide sequence according to claim 22, wherein the said human cancers are selected from liver cancer, lung cancer, stomach cancer, colon cancer, and breast cancer.